Indoor Simplex Armored Fiber Optic Cable(GJSFJV-1)
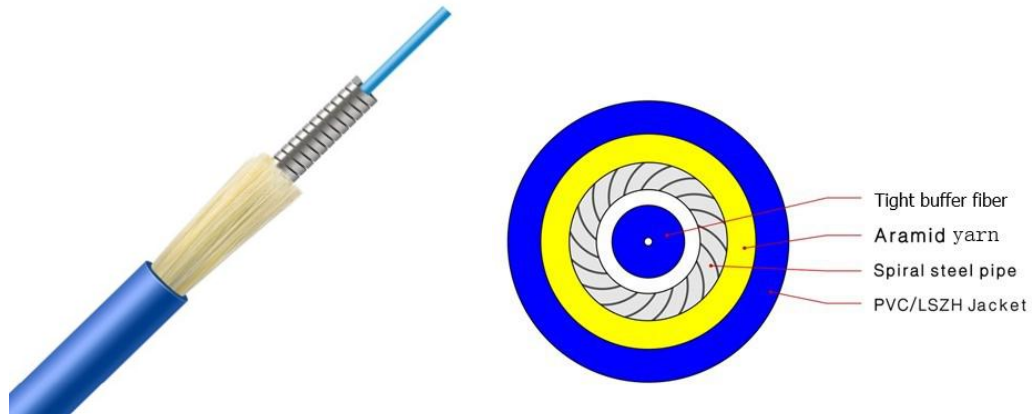
1、Cable Drawing

2、Description

(GJSFJV-1) Indoor simplex armored fiber optic cable，φ900μm or φ600μm tight buffer fibers are wrapped a layer of flat stainless steel wires and then add a layer of aramid yarn as strength unit, finally into fiber optic cable with PVC or LSZH sheath.

3、Features

- Tight buffer fiber ease of stripping
- Tight buffer fiber have excellent flame-retardant performance
- Good mechanical and environmental characteristics
- The mechanical characteristics meet the requirements of relevant standards
- Soft, flexible, easy to splice, and with big capacity data transmission
- Meet various requirements of market and clients

4、Application

- Data communication
- Places where waterproof is not strictly required
- Making jumper, pigtail and building distributions
- Fiber optic equipment and instrument

5、Specification

1) Fiber Allocation Scheme

Fiber number	Tube number	Fiber per tube	Fiber type
1	1	1	Single mode or Multi mode

2) Cable construction details

Items		Description
Fiber Counts		1 cores
Strength Member	Material	Aramid yarn
	Color	Yellow
Tight Buffer	Dia (mm)	0.9±0.05mm
	Material	PVC (LSZH、Hytrel、PA or Customer required)
	Color	Blue or Yellow
Outer Jacket	Material	PVC (LSZH or Customer required)
	Color	Yellow, Blue or White
	Thickness(mm)	≥0.40

3) Cable Mechanical characteristic

Items	Cable Dia (mm)	Weight (kg/km)	Allowable Tensile Strength(N)		Crush Load (N/100mm)	
			Long term	Short term	Long term	Short term
GJSFJV-1 Xn	2.1±0.10	15	300	1000	500	1000
GJSFJV-1 Xn	2.8±0.10	18	300	1000	500	1000
Min Bending Radius(mm)	Long term	10 D				
	Short term	20 D				
Temperature characteristic		Base on the working temperature range: Dwell time 8H / 2cycles. The variation on attenuation：SM≤0.5 dB/km；MM≤0.3 dB/km				
Hight temperature and humidity ability		≥500h，85℃/85%RH，No damage to the sheath.				
Installation Temperature range		-5 ~ +50℃				

Operation and transport temperature	-40 ~ +85℃

NOTE : Xn indicates the selected fiber models

4) Requirement for Order

(1) Fiber sort: Single mode:G652,G657, Multi mode:OM1,OM2,OM3,OM4.

(2) Fiber brand: YOFC, Corning, Fiberhome,Fujikura,OFS etc.

(3) Jacket material: PVC、LSZH (can be required).

(4) The fiber and tube color: according to stranded color, can be required.

(5) Length of cable: generally is 2KM, can be required.

(6) Other requirement: can be negotiated.

5) Fiber optical   Characteristic (after cable)

Fiber type	Attenuation				OFL bandwidth	Effective modal bandwidth	10 Gb/s Link Length
Conditions	1310/1550nm		850/1300nm		850/ 1300nm	850nm	850nm
	Typical	Maximum	Typical	Maximum			
Unit	dB/km	dB/km	dB/km	dB/km	MHz.km	MHz.km	m
G652D	0.5/0.4	0.6/0.5	/	/	/	/	/
G657A1	0.5/0.4	0.6/0.5	/	/	/	/	/
G657A2	0.4/0.3	0.5/0.4	/	/	/	/	/
G657B3	0.5/0.4	0.6/0.5	/	/	/	/	/
62.5/125	/	/	3.5/1.0	3.5/1.5	≥160/500	/	/
50/125/ OM1	/	/	3.0/1.0	3.5/1.5	≥200/500	/	/
50/125/ OM2	/	/	3.0/1.0	3.5/1.5	≥500/500	/	/
OM3-150	/	/	3.0/1.0	3.5/1.5	≥700/500	≥950	150
OM3-300	/	/	2.5/0.8	3.0/1.0	≥1500/500	≥2000	300
OM4-550	/	/	2.5/0.8	3.0/1.0	≥3500/500	≥4700	550

Note: The above optical characteristics are after cable

6、Cable marking and cable reel marking

6.1 Cable marking

The cable sheath shall be marked with white characters at intervals of one meter with following information:

(1) Purchaser's name

(2) Cable type

(3) Fiber type and counts

(4) Year of manufacture

(5) Length marking

Notice: cable mark is available if requested by customer.

6.2 Cable reel

Details given below shall be marked with a weather materials on both outer sides of the reel flange :

(1) Cable type and fiber counts

(2) Length of cable in meters

(3) Year of manufacture

Notice: shipping mark is available if requested by customer.

7、 Packing Informations

(1) Packing material: Wooden drum

(2) Packing length: standard length of cable shall be 2 km. Other cable length is also available if required by customer

8、Our certificates

(1) ISO9002

(2) SGS, ROHS

(3) ULE329066

(4) REACH

9、Our advantages

(1) Professional cable manufacturer

(2) About 10 years experiences in cable industry

(3) MOQ just 1Km

(4) ISO, UL , ROSH,REACH...certifications

(5) Can be customized production of fiber optic cable